

CHALLENGES FOR ELECTRIC VEHICLES IN THAILAND

Challenges



Insufficiency of rare metals

The batteries for electric cars use a lot of lithium, leading to an overuse of the metals



More emissions from production

The manufacture of electric cars can generate a lot of greenhouse gases from the process of mining.



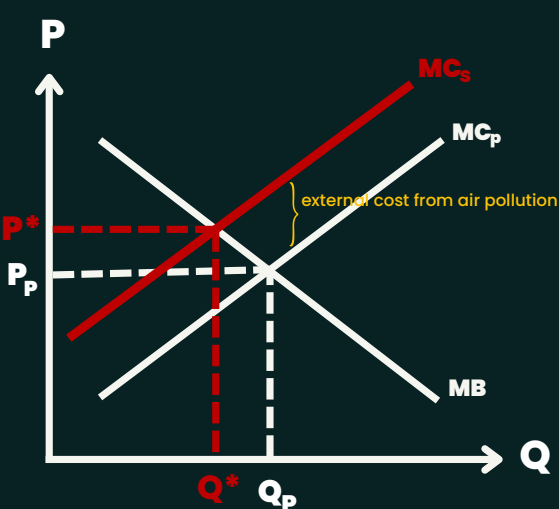
Inadequate charging stations

limited investment costs lead to difficulty infrastructure development



Financial barriers

high import tariffs and cost of production, leading to high selling price of the electric cars.



Economic Insight

The companies that produce electric cars should produce at Q* and P*, so they can achieve social optimal allocation and reduce the deadweight loss to the society.



Solutions



Charging stations

Installing more of the charging in oil stations.



Subsidy on the electric cars

People prefer to buy an electric cars rather than fuel-driven because of the lower in price.



Improving electric car

Make it to be shorter charging time and longer battery insurance



Alternative or renewable inputs

Use other metals instead of lithium by applying feed in tariff program

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